Title (en)

SYSTEMS FOR CYBERSECURITY OF A RAIL TRANSPORTATION NETWORK

Title (de)

SYSTEME FÜR DIE CYBERSICHERHEIT EINES SCHIENENVERKEHRSNETZES

Title (fr)

SYSTÈMES DE CYBERSÉCURITÉ D'UN RÉSEAU DE TRANSPORT FERROVIAIRE

Publication

EP 4112419 A1 20230104 (EN)

Application

EP 22169132 A 20220421

Priority

- US 202163216596 P 20210630
- US 202217650326 A 20220208

Abstract (en)

Disclosed are systems and a method for cybersecurity of a transportation management network, based on operational commands. A simulation engine generates expected behavior policies for transportation management network units - based on data, from one or more resources, indicative of the transportation network's activity. Generated policies are relayed to respective agents associated with the policy-generated/profiled unit. Expected behavior policies of the transportation management network units are based on Railway Signaling to and from systems used to control railway traffic safety and trains collision prevention.

IPC 8 full level

B61L 15/00 (2006.01); **B61L 27/40** (2022.01); **B61L 27/53** (2022.01); **B61L 27/57** (2022.01); **B61L 27/60** (2022.01); **B61L 27/70** (2022.01); **G06F 21/57** (2013.01); **H04L 9/40** (2022.01)

CPC (source: EP US)

B61L 15/0027 (2013.01 - EP); **B61L 27/40** (2022.01 - EP); **B61L 27/53** (2022.01 - EP); **B61L 27/57** (2022.01 - EP); **B61L 27/60** (2022.01 - EP); **B61L 27/70** (2022.01 - EP); **G06F 21/44** (2013.01 - EP); **G06F 21/552** (2013.01 - EP); **G06F 21/57** (2013.01 - EP); **H04L 63/1408** (2013.01 - EP US); **H04L 63/20** (2013.01 - US); **H04W 4/40** (2018.01 - EP); G06F 2221/034 (2013.01 - EP)

Citation (search report)

- [XI] EP 3553682 A1 20191016 - KAFZAN SHAKED [IL], et al
- [A] WO 2020230110 A1 20201119 - CYLUS CYBER SECURITY LTD [IL]
- [A] EP 3656643 A1 20200527 - CYLUS CYBER SECURITY LTD [IL]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

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